
OWSLEY COUNTY

(Owsley County Water Service Area Map)

- Estimated 1999 population of 5,300--70% on public water
- Estimated 2020 population of 5,550--81% on public water
- 116 miles of water lines, with plans for 43 additional miles
- Estimated funding needs for public water 2000-2005--\$2,500,000
- Estimated funding needs for public water 2006-2020--\$4,000,000

Owsley County had an estimated population of 5,327 (2,170 households) in 1999 with a projected population of 5,550 (2,450 households) in 2020. About 2/3 of the county's residents are served by public water. In areas of the county not served by public water, about 90 percent of the households rely on private domestic wells and 10 percent rely on other sources. About 270 customers will be added to public water service through new line extensions in 2000-2020.

Owsley County has both an adequate source and plant capacity to supply potable water to all Owsley Countians (excluding those areas that are impractical) within the next 5 years. Local officials and system employees estimate it would cost about \$2,000,000 to complete their system. This figure includes existing line upgrades, increased storage capacity, pump stations, and additional fire hydrants. This would also provide a 250,000-gallon storage tank to serve not only some residents, but an industrial park as well.

Although Owsley County currently has an adequate source of water, they could benefit from a treatment plant on Buckhorn Lake. Not only could this be a supplemental source in the future, it could immediately serve residents in the extreme southern portion of the county that is impractical for the Booneville Water and Sewer District to supply.

WATER SERVICE AREAS

OWSLEY COUNTY

Kentucky

Prepared By:
Water Resource Development Commission

Department for Local Government
1024 Capital Center Drive, Suite 340
Frankfort, Kentucky 40601-8204
502-573-2382 -- 502-573-2939 fax
<http://dlgnt1.state.ky.us/wrdc/>

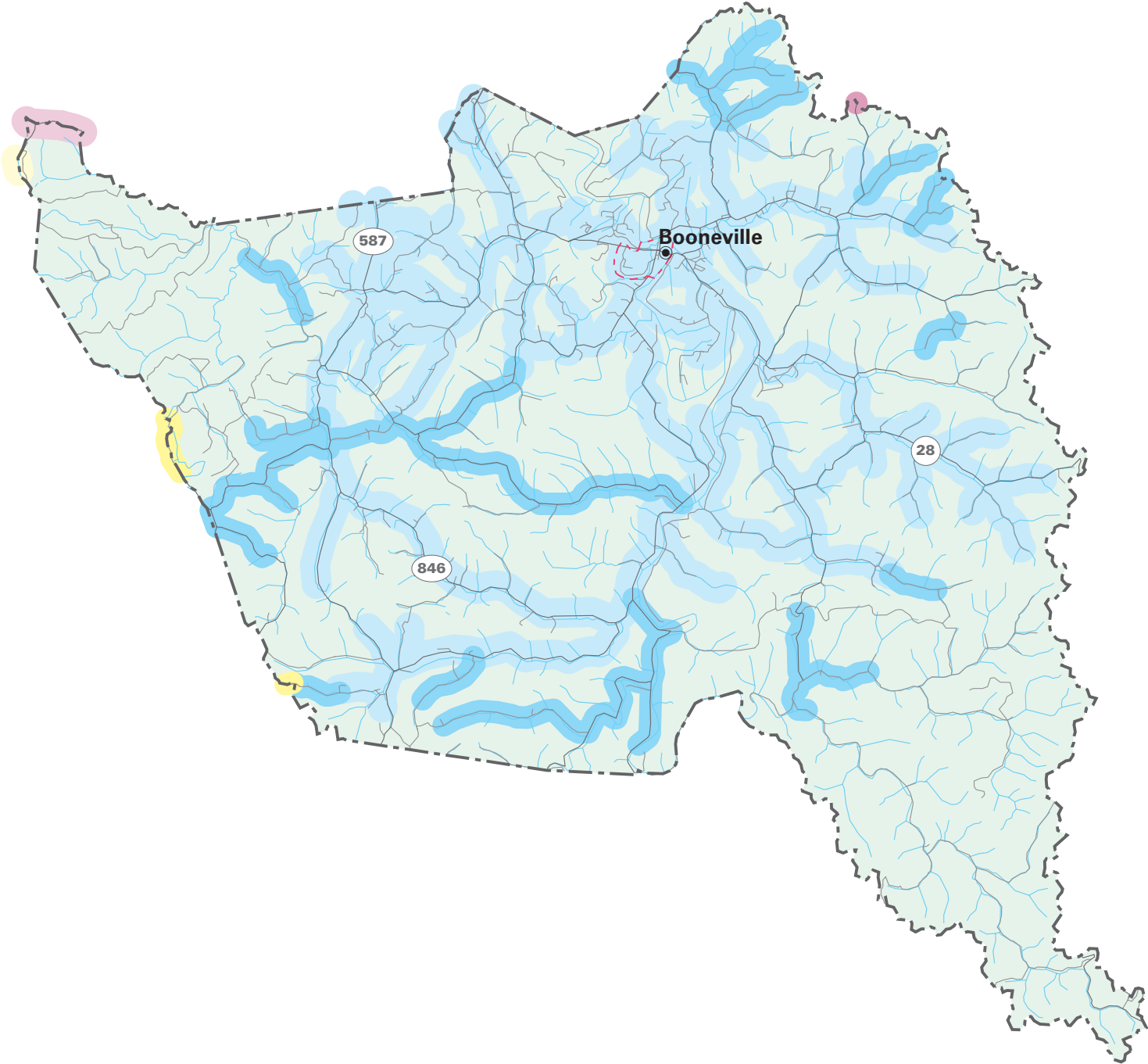
Bob Arnold, Chairman
Lawrence Wetherby, Executive Director

Final GIS & Cartographic Operations By:
Kent Anness & Kim Prough

Data Collection & GIS Input By:
Kentucky Area Development Districts



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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		JACKSON COUNTY WATER ASSOCIATION
		BOONEVILLE WATER AND SEWER
		BEATTYVILLE WATER WORKS

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	In \$1000	in \$1000	in \$1000	in \$1000	in \$1000
OWSLEY								-
Booneville	43.0	267	1,500				1,000	2,500
Total	43.0	267	1,500				1,000	2,500

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
OWSLEY								-
Booneville					2,000	2,000		4,000
Total					2,000	2,000		4,000

PUBLIC WATER SYSTEMS

The Booneville Water and Sewer District is the only community water system in Owsley County: The is also one non-community system.

BOONEVILLE WATER AND SEWER

PWSID: 0950036
 System Type: COMMUNITY
 Owner Type: MUNICIPAL
 Surface Source: SOUTH FORK KENTUCKY RIVER
 Purchase Source:
 Well Source:
 Sells Water to:
 Treatment Plant Capacity (MGD): 0.86
 Percent Daily Average Production: 39.00
 Total Tank Storage Capacity (gallons): 484,000.00
 Total Service Connections: 1,452.00
 Number of Employees: 6.00
 Treatment Operator Class: 2D
 Distribution Operator Class: 3A
 Customer Rate for 1,000 Gallons: 7.00
 O/M costs 1997: Not available
 O/M costs per Service Connection: Not available
 Net Revenue 1997: Not available
 Total Water Produced 1997 (gallons): Not available
 Water Sold 1997 (gallons): Not available
 Unaccounted-for Water 1997 (%): Not available

The Booneville Water Treatment Plant has a capacity of 864,000, and a daily average production of 275,000 gallons. Rates inside the city are \$13.50 for the first 2,000 gallons and \$14.50 for the first 2,000 gallons outside the city limits. The system has a storage capacity of 484,000 gallons. The water source is surface water from South Fork/Kentucky River.

OTHER SYSTEMS:

CAMP BRENT LANEER

Camp Brent Laneer is located in Owsley County. The system serves a population of 75 and has 1 service connection. The local, transient, non-community system has treatment capacity of 8,000 gallons per day and the water source is wells.

PRIVATE DOMESTIC SYSTEMS

About 1,600 people in Owsley County rely on private domestic water supplies: 1,450 on wells, and 150 on other sources.

Most wells drilled in valley bottoms are adequate for a domestic supply. Fewer than half the wells drilled on hillsides are adequate for a domestic supply and wells on hilltops and ridges yield smaller quantities of water. In the western half of the county wells penetrating 500 feet or more of sandstone may yield enough water for small municipal or industrial supply.

Water obtained from most wells in this area is soft or moderately hard and contains noticeable amounts of iron. Salty water may be found in wells drilled less than 100 feet below the level of the principal valley bottoms.

A few springs supply sufficient quantities of water for domestic use, usually produces less than 5 gpm.
